



Information Disclosure Statement

USSN 10/766,103

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Form PTO-1449 (Modified) Page 1 of 7	ATTY DOCKET NO. B-4585 619759-6	U.S. SERIAL NO. 10/766,103
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Willie W. Ng., et al.	
	FILING DATE January 27, 2004	GROUP not yet assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
	4,028,702	6/1977	Levine	343	100 SA	—
	4,296,319	10/1981	Franks et al.	250	227	—
	5,001,336	3/1991	De La Chapelle	250	208.2	—
	5,153,762	10/1992	Huber	359	125	—
	5,379,309	1/1995	Logan, Jr.	372	18	—
	5,383,198	1/1995	Pelouch et al.	372	18	—
	5,404,006	4/1995	Schaffner et al.	250	208.2	—
	5,577,057	11/1996	Friskien	372	18	—
	5,617,239	4/1997	Walker	359	181	—
	5,625,729	4/1997	Brown	385	31	—
	5,687,261	11/1997	Logan	385	24	—
	5,710,651	1/1998	Logan, Jr.	359	145	—
	5,723,856	3/1998	Yao et al.	250	227.1	—
	5,777,778	7/1998	Yao	359	245	—
	5,796,506	8/1998	Tsai	359	191	—
	5,859,611	1/1999	Lam et al.	342	368	—
	5,917,179	6/1999	Yao	250	227.1	—
	5,917,970	6/1999	Burns et al.	385	24	—
	5,929,430	7/1999	Yao et al.	250	205	—
	5,930,031	7/1999	Zhou et al.	359	344	—
6,027,254	1/2000	Yamada et al.	385	88	—	
6,178,036 B1	1/2001	Yao	359	334	—	
6,188,808 B1	2/2001	Zhou et al.	385	3	—	
6,262,681 B1	7/2001	Persechini	342	188	—	

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U.S. PATENT DOCUMENTS (Continued)

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
<i>JP</i>	6,388,787 B1	5/2002	Bischoff	359	187	—
<i>JP</i>	6,580,532 B1	6/2003	Yao et al.	359	111	—
<i>JP</i>	6,591,026 B2	7/2003	Endo et al.	385	15	—
<i>JP</i>	6,643,299 B1	11/2003	Lin	372	6	—
<i>JP</i>	6,724,523 B2	4/2004	Yap	359	333	—
<i>JP</i>	6,724,783 B2	4/4004	Jalali et al.	372	9	—
<i>JP</i>	6,852,556 B2	2/2005	Yap	438	22	—
<i>JP</i>	6,867,904 B2	3/2005	Ng et al.	359	332	—
<i>JP</i>	6,872,985 B2	3/2005	Yap	257	82	—
<i>JP</i>	2003/0089843 A1	5/2003	Sayyah et al.	250	227.21	—
<i>JP</i>	2003/0090767 A1	5/2003	Yap et al.	359	181	—
<i>JP</i>	2003/0091097 A1	5/2003	Yap et al.	375	132	—
<i>JP</i>	2003/0197917 A1	10/2003	Yap et al.	359	330	—
<i>JP</i>	2003/0227629 A1	12/2003	Dobbs et al.	356	437	—
<i>JP</i>	2004/0264977 A1	12/2004	Yap et al.	398	161	—
<i>JP</i>	2005/0013612 A1	1/2005	Yap	398	53	—

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
<i>JP</i>	0 352 747 A2	1/1990	EP	<i>C</i>	<i>—</i>	
<i>JP</i>	07-264136	10/1995	JP	<i>—</i>	<i>—</i>	abstract
<i>JP</i>	99/66613	12/1999	WO	<i>—</i>	<i>—</i>	
<i>JP</i>	00/44074	7/2000	WO	<i>—</i>	<i>—</i>	
<i>JP</i>	00/45213 A1	08/2000	WO	<i>—</i>	<i>—</i>	
<i>JP</i>	01/80507 A2	10/2001	WO	<i>—</i>	<i>—</i>	
<i>JP</i>	01/29992 A1	4/2001	WO	<i>—</i>	<i>—</i>	
<i>JP</i>	02/099939 A1	12/2002	WO	<i>—</i>	<i>—</i>	
<i>JP</i>	03/042734 A1	5/2003	WO	<i>—</i>	<i>—</i>	
<i>JP</i>	03/043126 A1	5/2003	WO	<i>—</i>	<i>—</i>	
<i>JP</i>	03/043147 A1	5/2003	WO	<i>—</i>	<i>—</i>	
<i>JP</i>	03/043177 A2	5/2003	WO	<i>—</i>	<i>—</i>	
<i>JP</i>	03/043178 A2	5/2003	WO	<i>—</i>	<i>—</i>	
<i>JP</i>	03/043195 A1	5/2003	WO	<i>—</i>	<i>—</i>	
<i>JP</i>	03/043231 A2	5/2003	WO	<i>—</i>	<i>—</i>	

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	Alexe, M., et al., "Low Temperature GaAs/Si Direct Wafer Bonding," <i>Electronics Letters</i> , Vol. 36, No. 7 (March 30, 2000).
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	Berger, J.D., et al., "Widely Tunable External Cavity Diode Laser Base On A MEMS Electrostatic Rotary Actuator," <i>Paper TuJ2-1, OFC, Anaheim, California</i> , pp. TuJ2-1-TuJ2-3 (2001).
	Bilodeau, F., et al., "An All-Fiber Dense-Wavelength-Division Multiplexer/Demultiplexer Using Photoimprinted Bragg Gratings," <i>IEEE Photonics Technology Letters</i> , Vol. 7, No. 4, pp 388-390 (April 1995).
	Bordonalli, A.C., et al., "High-Performance Phase Locking of Wide Linewidth Semiconductor Lasers by Combined Use of Optical Injection Locking and Optical Phase-Lock Loop," <i>Journal of Lightwave Technology</i> , Vol. 17, No. 2, pp 328-342 (February 1999).
	Chan, W.K., et al., "Grafted Semiconductor Optoelectronics," <i>IEEE Journal Of Quantum Electronics</i> , Vol. 27, No. 3, pp. 717-725 (March 1991).
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	Collins, J.V., et al., "Passive Alignment of Second Generation Optoelectronic Devices," <i>IEEE Journal of Selected Topics In Quantum Electronics</i> , Vol. 3, No. 6, pp. 1441-1444 (December 1997).
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>JS</i>	Ghirardi, F., et al., "Monolithic Integration of an InP Based Polarization Diversity Heterodyne Photoreceiver with Electrooptic Adjustability," <i>Journal of Lightwave Technology</i> , Vol. 13, No. 7, pp 1536-1549 (July 1995).
<i>JS</i>	Goldsmith, C.L., et al., "Principles and Performance of Traveling-Wave Photodetector Arrays," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 45, No. 8, pp. 1342-1350 (August 1997).
<i>JS</i>	Hansen, D.M., et al., "Development of A Glass-Bonded Complaint Substrate," <i>Journal of Crystal Growth</i> , Vol. 195, pp. 144-150 (1998).
<i>JS</i>	Haus, H., et al., "Narrow-Band Optical Channel-Dropping Filter," <i>Journal of Lightwave Technology</i> , Vol. 10, No. 1, pp 57-61 (January 1992).
<i>JS</i>	Ibsen, M., et al., "30dB Sampled Gratings In Germanosilicate Planar Waveguides," <i>Electronics Letters</i> , Vol. 32, No. 24, pp. 2233-2235 (November 21, 1996).
<i>JS</i>	Ih, C.S., et al., "Dense All Optical WDM-SCM Technology for High Speed Computer Interconnects," <i>Optoelectronic Interconnects</i> , SPIE, Vol. 1849, pp. 308-318 (1993).
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<i>JS</i>	Johansson, L.A., et al., "Millimeter-Wave Modulated Optical Signal Generation with High Spectral Purity and Wide-Locking Bandwidth Using a Fiber-Integrated Optical Injection Phase-Lock Loop," <i>IEEE Photonics Technology Letters</i> , Vol. 12, No. 6, pp 690-692 (June 2000).
<i>JS</i>	Kato, K., et al., "PLC Hybrid Integration Technology And Its Application To Photonic Components," <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , Vol. 6, No. 1, pp. 4-13 (2000).
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<i>JS</i>	Kikuchi, K., et al., "Amplitude-Modulation Sideband Injection Locking Characteristics of Semiconductor Lasers and their Application," <i>Journal of Lightwave Technology</i> , Vol. 6, No. 12, pp 1821-1830 (December 1988).
<i>JS</i>	Kitayama, K., "Highly-Stabilized, Tunable Millimeter-Wave Generation by Using Fiber-Optic Frequency Comb Generator," <i>Microwave Photonics</i> , pp. 13-16 (December 3, 1996).

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JP	Kobayashi, Y., et al., "Optical FM signal Amplification and FM Noise Reduction in an Injection Locked AlGaAs Semiconductor Laser," <i>Electronics Letters</i> , Vol. 17, No. 22, pp. 849-851 (October 29, 1981).
JP	Lee, C.C., et al., "Measurement of Stimulated-Brillouin-Scattering Threshold for Various Types of Fibers Using Brillouin Optical-Time-Domain Reflectometer," <i>IEEE Photonics Technology Letters</i> , Vol. 12, No. 6, pp. 672-674 (June 2000).
JP	Little, B.E., et al., "Ultra-Compact Si-SiO ₂ Microring Resonator Optical Channel Dropping Filters," <i>IEEE Photonics Technology Letters</i> , Vol. 10, No. 4, pp. 549-551 (April 1998).
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JP	Liu, T., et al., "InP-Based DHBT with 90% Power-Added Efficiency and 1 W Output Power at 2 GHz," <i>Solid-State Electronics</i> , Vol. 41, No. 10, pp. 1681-1686 (1997).
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EXAMINER <i>[Signature]</i>	DATE CONSIDERED 12/22/05
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88	Sayyah, K., et al., "Multi-Tone Photonic Oscillator," <i>Proceedings of the SPIE</i> , Vol. 4490, pp. 52-62 (2001).
88	Schäffer, C.G., "Application of Optical Amplifiers in a Microwave Distribution Network for Phased Array Antennas," <i>Lasers and Electro-Optics Society Annual Meeting, 1995, 8th Annual Meeting Conference Proceedings</i> , vol. 1, pp 202-203 (October 30-31, 1995).
88	Shimizu, N., et al., "InP-InGaAs Uni-Traveling-Carrier Photodiode With Improved 3-dB Bandwidth of Over 150 GHz," <i>IEEE Photonics Technology Letters</i> , Vol. 10, No. 3, pp. 412-414 (March 1998).
88	Tishinin, D.V., et al., "Vertical Resonant Couplers with Precise Coupling Efficiency Control Fabricated by Wafer Bonding", <i>IEEE Photonics Technology Letters</i> , Vol. 11, No. 8, pp. 1003-1005 (1999).
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88	Yamamoto, T., et al., "270-360 Ghz Tunable Beat Signal Light Generator For Photonic Local Oscillator," <i>Electronics Letters</i> , Vol. 38, No. 15, pages 795-797 (July 2002).
88	Yanagisawa, M., et al., "Film-Level Hybrid Integration of AlGaAs Laser Diode with Glass Waveguide on Si Substrate," <i>IEEE Photonics Technology Letters</i> , Vol. 4, No. 1, pp 21-23 (January 1992).
88	Yao, X.S., et al., "High Frequency Optical Subcarrier Generator," <i>Electronics Letters</i> , Vol. 30, No. 18, pp. 1525-1526 (September 1, 1994).
88	Yao, X.S., "High-Quality Microwave Signal Generation by Use of Brillouin Scattering in Optical Fibers," <i>Optics Letters</i> , Vol. 22, No. 17, pp. 1329-1331 (September 1, 1997).
88	Yao, X.S., "Multiloop Optoelectronic Oscillator," <i>IEEE Journal of Quantum Electronics</i> , Vol. 36, No. 1, pp 79-84 (January 2000).
88	Yao, X.S., et al., "Optoelectronic Microwave Oscillator," <i>J. Opt. Soc. Am. B</i> , Vol. 13, No. 8, pp. 1725-1735 (August 1996).
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88	Yap, D., et al., "Agile Waveform Generation & Frequency Conversion," <i>RF-Lightwave Integrated Circuits Program Kickoff Meeting</i> , pp. DY1-DY10 (August 16, 2000).
88	Yap, D., et al., "Switched Photonic Link for Distribution of Local-Oscillator Signals," <i>IEEE Photonics Technology Letters</i> , Vol. 12, No. 11, pp. 1552-1554 (November 2000).
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88	Yi-Yan, A., et al., "Semiconductor-Film Grafting: A New Approach to OEICs," <i>Circuits & Devices</i> , pp. 26-30 (May 1992).

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Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Willie W. NG, et al.) Re: Information Disclosure
) Statement
Serial No.: 10/766,103) Group: not yet assigned
)
Filed: January 27, 2004) Examiner: not yet assigned
)
) Our Ref: B-4585 619759-6
For: "A WAVELENGTH RECONFIGURATION)
LASER TRANSMITTERS TUNED...") Date: April 12, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria VA, 22313-1450

Sir:

In accordance with the Applicants' duty to disclose information which may be material to the examination of this application, the undersigned respectfully requests that the Examiner consider on the merits the documents listed on the enclosed Form PTO-1449 (modified) before issuing the first Office Action on the merits. Copies of the foreign patent documents and the non-patent publications listed on the enclosed Form PTO-1449 (modified) are enclosed herewith for the Examiner's convenience. Copies of the U.S. patent documents and/or U.S. patent application publications listed on the enclosed Form PTO-1449 (modified) are not enclosed in accordance with 37 C.F.R. § 1.98(a)(2)(ii).

The documents listed on the enclosed Form PTO-1449 (modified) include those cited in the International Search Report for a related PCT Application No. PCT/US02/36844. A copy of the Search Report (3 pages) is enclosed herewith.

The documents listed on the enclosed Form PTO-1449 (modified) include those cited in the International Search Report for a related PCT Application No. PCT/US02/36845. A copy of the Search Report (3 pages) is enclosed herewith.

The documents listed on the enclosed Form PTO-1449 (modified)

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include those cited in the International Search Report for a related PCT Application No. PCT/US02/36846. A copy of the Search Report (3 pages) is enclosed herewith.

The documents listed on the enclosed Form PTO-1449 (modified) include those cited in the International Search Report for a related PCT Application No. PCT/US02/36847. A copy of the Search Report (4 pages) is enclosed herewith.

The documents listed on the enclosed Form PTO-1449 (modified) include those cited in the International Search Report for a related PCT Application No. PCT/US02/36849. A copy of the Search Report (5 pages) is enclosed herewith..

The documents listed on the enclosed Form PTO-1449 (modified) include those cited in the International Search Report for a related PCT Application No. PCT/US02/36982. A copy of the Search Report (4 pages) is enclosed herewith.

The documents listed on the enclosed Form PTO-1449 (modified) include those cited in the International Search Report for a related PCT Application No. PCT/US02/36983. A copy of the Search Report (3 pages) is enclosed herewith.

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The documents listed on the enclosed Form PTO-1449 (modified) include those cited in the International Search Report for a related PCT Application No. PCT/US03/10959. A copy of the Search

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Report (3 pages) is enclosed herewith.

Japanese Document No. 07-264136 is not in English. A concise English-language explanation of the relevance of Japanese Document No. 07-264136 can be found in the enclosed English-language abstract.

It should be noted that the above-identified application may be related by subject matter to the following U.S. Application(s): 10/116,854, filed April 5, 2002 (now U.S. Patent No. 6,724,523 B2); 10/116,801, filed April 5, 2002 (published as U.S. Patent Application Publication No. 2003/0090767 A1); 10/116,829, filed April 5, 2002 (published as U.S. Patent Application Publication No. 2003/0091097 A1); 10/772,112, filed February 3, 2004 (now U.S. Patent No. 6,852,556 B2); 10/116,800, filed April 5, 2002 (now U.S. Patent No. 6,872,985 B2); 10/116,799, filed April 5, 2002 (published as U.S. Patent Application No. 2003/0089843 A1); 10/417,011, filed April 16, 2003 (published as U.S. Patent Application Publication No. 2003/0197917 A1); 10/417,020, filed April 16, 2003 (now U.S. Patent No. 6,867,904 B2); 10/824,197, filed April 13, 2004 (published as U.S. Patent Application Publication No. 2004/0264977 A1); 10/786,721, filed February 24, 2004 (published as U.S. Patent Application Publication No. 2005/0013612 A1). Pursuant to 37 C.F.R. 1.56(a) and M.P.E.P. 2004, paragraph 9, the applicant brings these co-pending applications to the attention of the Examiner. The Examiner should consider this information during the prosecution of the above-identified application. However, citation of these applications does not constitute an admission that the claims of the present application are substantially similar or similar to those of the applications listed above.

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The filing of this Information Disclosure Statement (IDS) shall not be construed as a representation that a search has been made (37 C.F.R. 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The Applicants believe that this IDS is being submitted before the issuance of a first Office Action on the merits and before the issuance of a Final Rejection or Notice of Allowance. Therefore, no official fees should be due; and this IDS should be considered on the merits. If this IDS is being submitted after the issuance of the first Office Action on the merits and before the issuance of a Final Rejection or Notice of Allowance, please contact the undersigned to authorize a payment of \$180.00 (or any other required amount), which is the fee set forth in 37 C.F.R. § 1.97(c), if the Examiner believes that such a fee is due in order for this IDS to be considered on the merits.

The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner. (Notice of January 9, 1992, 1135 O.G. 13-25, at 25.)

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The person making this statement is the practitioner who signs below on the basis of information supplied by an individual associated with the filing and prosecution of this application (37 C.F.R. § 1.56(c)) and on the basis of information in the practitioner's file.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to the "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450", on April 12, 2005 by Shana Morda.



Respectfully submitted,



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Enclosures: Form PTO-1449 (modified) (7 pages)
Copy of Search Report for PCT/US02/36844 (3 pages)
Copy of Search Report for PCT/US02/36845 (3 pages)
Copy of Search Report for PCT/US02/36846 (3 pages)
Copy of Search Report for PCT/US02/36847 (4 pages)
Copy of Search Report for PCT/US02/36849 (5 pages)
Copy of Search Report for PCT/US02/36982 (4 pages)
Copy of Search Report for PCT/US02/36983 (3 pages)
Copy of Search Report for PCT/US03/10730 (3 pages)
Copy of Search Report for PCT/US03/10959 (3 pages)
Copy of Non-U.S. Patent documents listed on Form PTO-1449 (modified)